

PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
				Application Number	10/533,303
				Filing Date	April 29, 2005
				First Named Inventor	Hisanori Itoh
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	2	Attorney Docket Number	SAE-0033

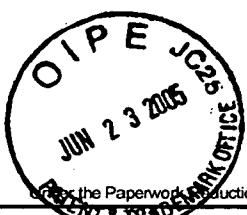
U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
/MHW	AA	US-6,303,238-B1	10-16-2001	Thompson et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)			
/MHW	BA	JP-2001-085166-A	03-30-2001	NEC Corp.	
	BB	JP-2002-363552-A	12-18-2002	University of Hong Kong	
↓	BC	WO-2004/039781-A1	05-13-2004	Takasago International Corporation	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T <sup>2</sup>
/MHW	CA	International Search Report for PCT/JP03/13317 mailed on January 27, 2004			
	CB	English translation of International Search Report for PCT/JP03/13317 mailed on January 27, 2004			
	CC	D.A. Bardwell et al., "A Study of Crystal Packing in a Series of Closely Related Square-Planar Palladium (II) and Platinum (II) Complexes", Polyhedron, 1994, Vol. 13, No. 15/16, pages 2291-2300			
	CD	J. H. K. Yip et al., "Syntheses and Electronic Spectroscopy of [PtL(L')][ClO <sub>4</sub> ] Complexes (HL=6-Phenyl-2,2'-bipyridine; L'=Pyridine, 4-Aminopyridine, 2-Aminopyridine, and 2,6-Diamonopyridine)", Inorganic Chemistry, 2000, Vol. 39, No. 16, pages 3537-3543			
	CE	C. Chan et al., "Covalently Linked Donor-Acceptor Cyclometalated Platinum(II) Complexes. Structure and Luminescent Properties", Journal of the American Chemical Society, 1993, Vol. 115, No. 24, pages 11245-11253			
	CF	T. Cheung et al., "Photoluminescent Cyclometallated Diplatinum(II,II) Complexes: Photophysical Properties and Crystal Structures of [PtL(PPh <sub>3</sub> )ClO <sub>4</sub> ] and [Pt <sub>2</sub> L <sub>2</sub> (μ-dppm)][ClO <sub>4</sub> ] <sub>2</sub> (HL=6-phenyl-2,2'-bipyridine, dppm=Ph <sub>2</sub> PCH <sub>2</sub> PPh <sub>2</sub> )", Journal of Chemical Society, Dalton Transactions: Inorganic Chemistry, 1996, No. 8, pages 1645-1651			
	CG	T. W. Greene et al., "Protective Groups in Organic Synthesis", Second Edition, John Wiley & Sons, Inc., pages 309-315 1986, pg. 309-315.			
	CH	M. A. Baldo et al., "Very High-efficiency Green Organic Light-emitting Devices Based on Electrophosphorescence", Applied Physics Letters, 1999, Vol. 75, No. 1, pages 4-6			
↓	CI	E. C. Constable et al., "Cyclometallation Reactions of 6-Phenyl-2,2'-bipyridine; a Potential C,N,N-Donor Analogue of 2,2':6',2'-Terpyridine. Crystal and Molecular Structure of Dichlorobis(6-phenyl-2,2'-bipyridine)ruthenium(II)", Journal of the Chemical Society, Dalton Transactions, 1990, pages 443-449			

Examiner Signature	/Michael Wilson/	Date Considered	02/01/2008
--------------------	------------------	-----------------	------------



PTO/SB/08a/b (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/B/PTO

**Complete if Known**

				<b>Complete if Known</b>
Application Number				10/533,303
Filing Date				April 29, 2005
First Named Inventor				Hisanori Itoh
Art Unit				N/A
Examiner Name				Not Yet Assigned
Sheet	2	of	2	Attorney Docket Number
				SAE-0033

/MHW/	CJ	Y. Jahng et al., "Synthesis and Properties of 3,2'-polymethylene-6-(2'-pyridyl)-2-phenylpyridines and their Cycloplatinated Complexes", Inorganica Chimica Acta, 1998, Vol. 267, pages 265-270	
/MHW/	CK	D. J. Cárdenas et al., "Divergent Behavior of Palladium(II) and Platinum(II) in the Metalation of 1,3-Di(2-pyridyl)benzene", Organometallics, 1999, Vol. 18, pages 3337-3341	
OL		"Organometallic Complex (Yukiguni zokusakutai)", Jikken Kagaku Koza, 4th Edition, Vol. 18, page 143 (with English translation)	
/MHW/	CM	T. Kauffmann et al., "Nucleophile Alkylierung und Arylierung des 2,2'-Bipyridyls", Chem. Ber., 1976, Vol. 109, pages 3864-3868	
	CN	C. O. Dietrich-Buchecker et al., "Direct Synthesis of Disubstituted Aromatic Polyimine Chelates", Tetrahedron Letters, 1982, Vol. 23, No. 50, pages 5291-5294	
	CO	C. Che et al., "PEG-Linked Luminescent Platinum(II) Complex as Aqueous Polymeric Molecular Light Switch for Protein Binding Reactions", Chemistry Communication, 2002, pages 2556-2557	
	CP	M. A. Baldo et al., "Highly Efficient Phosphorescent Emission from Organic Electroluminescent Devices", Nature, 1998, Vol. 395, pages 151-154	
	CQ	S. Lai et al., "Probing d <sup>5</sup> -d <sup>8</sup> Interactions in Luminescent Mono- and Binuclear Cyclometalated Platinum(II) Complexes of 6-Phenyl-2,2'-bipyridines", Inorganic Chemistry, 1999, Vol. 38, No. 18, pages 4046-4055	
	CR	V. Balzani et al., "On the Orbital Nature of the Luminescent Excited State of Orthometalated Transition Metal Complexes", Photochemistry and Photophysics of Coordination Compounds, 1987, pages 71-77	
↓	CS	C. A. Craig et al., "Synthesis and Photophysical Studies of Ortho-metallated Pd(II) Complexes including Two Novel Pd(II)/Rh(III) Dimers", Photochemistry and Photophysics of Coordination Compounds, 1987, pates 135-146	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Michael Wilson/	Date Considered	02/01/2008
--------------------	------------------	-----------------	------------